

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
)  
Saburo KAWAGUCHI et al. )  
) Group Art Unit:  
Application No.: Not Yet Assigned )  
) Examiner:  
Filed: February 13, 2004 )  
)  
For: A METHOD OF CURING )  
INJURED SPINAL CORD AND )  
THERAPEUTIC AGENTS FOR )  
THAT )

**MAIL STOP PATENT APPLICATION**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO-1449 and cited in the international search report. Copies of the listed documents are attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO-1449 and indicate that they were considered by making an appropriate notation on this form.

This Information Disclosure Statement is being filed with the above-referenced application.

The following is listed on the accompanying PTO-1449 and is in a non-English language:

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com

1. Japanese Application No. 2002-281962

In lieu of a statement of relevance or the translation of the non-English document, enclosed is an English-language international search report from the Japanese Patent Office in the PCT international application, from which this national phase U.S. application is derived, citing this document and setting forth the relevance thereof. An English language abstract is also enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP


1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: February 13, 2004

By:   
Ernest F. Chapman  
Reg. No. 25,961

Enclosures  
EFC/FPD/gah

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
[www.finnegan.com](http://www.finnegan.com)

## INFORMATION DISCLOSURE CITATION

Atty. Docket No.	06082.0030	Application No.	
Applicant	Saburo KAWAGUCHI et al.		
Filing Date	February 13, 2004	Group:	

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate

## FOREIGN PATENT DOCUMENTS

Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
2002-281962	10/02/2002	Japan			Abstract

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Groves et al.; "REPAIR OF DEMYELINATED LESIONS BY TRANSPLANTATION OF PURIFIED O-2A PROGENITOR CELLS"; Nature, Vol. 362, No. 6419, pages 453-455, (1993)
	Doucette; "OLFACTORY ENSHEATHING CELLS: POTENTIAL FOR GLIAL CELL TRANSPLANTATION INTO AREAS OF CNS INJURY"; Histology and Histopathology, Vol. 10, No. 2, pages 503-507, (1995)
	Rabchevsky et al.; "GRAFTING OF CULTURED MICROGLIAL CELLS INTO THE LESIONED SPINAL CORD OF ADULT RATS ENHANCES NEURITE OUTGROWTH"; Journal of Neuroscience Research, Vol. 47, No. 1, pages 34-48, (1997)
	Prieto et al.; "TANYCYTES TRANSPLANTED INTO THE ADULT RAT SPINAL CORD SUPPORT THE REGENERATION OF LESIONED AXONS"; Experimental Neurology, Vol. 161, No. 1, pages 27-37, (2000)
	Hormigo et al.; "RADIAL GLIAL CELL LINE C6-R INTEGRATES PREFERENTIALLY IN ADULT WHITE MATTER AND FACILITATES MIGRATION OF COIMPLANTED NEURONS <i>IN VIVO</i> "; Experimental Neurology, Vol. 168, No. 2, pages 310-322, (2001)
	Chow et al.; "CHARACTERIZATION AND INTRASPINAL GRAFTING OF EGF/bFGF-DEPENDENT NEUROSPHERES DERIVED FROM EMBRYONIC RAT SPINAL CORD", Brain Research, Vol. 874, No. 2, pages 87-106, (2000)
	Olby et al.; "RECONSTRUCTION OF THE GLIAL ENVIRONMENT OF A PHOTOCHEMICALLY INDUCED LESION IN THE RAT SPINAL CORD BY TRANSPLANTATION OF MIXED GLIAL CELLS"; Journal of Neurocytology, Vol. 25, pages 481-498, (1996)
	Rajan et al.; "MULTIPLE ROUTES TO ASTROCYTIC DIFFERENTIATION IN THE CNS"; The Journal of Neuroscience, vol. 18, No. 10, pages 3620-3629, (1998)
	Qian et al.; "FGF2 CONCENTRATION REGULATES THE GENERATION OF NEURONS AND GLIA FROM MULTIPOTENT CORTICAL STEM CELLS"; Neuron, Vol. 18, pages 81-93, (1997)
	Johe et al.; "SINGLE FACTORS DIRECT THE DIFFERENTIATION OF STEM CELLS FROM THE FETAL AND ADULT CENTRAL NERVOUS SYSTEM"; Genes & Development, Vol. 10, pages 3129-3140, (1996)
	Okabe et al.; "'GREEN MICE' AS A SOURCE OF UBIQUITOUS GREEN CELLS"; FEBS Letters, Vol. 407, pages 313-319, (1997)

## INFORMATION DISCLOSURE CITATION

Atty. Docket No. 06082.0030	Application No.
Applicant Saburo KAWAGUCHI et al.	
Filing Date February 13, 2004	Group:

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	Basso et al.; "A SENSITIVE AND RELIABLE LOCOMOTOR RATING SCALE FOR OPEN FIELD TESTING IN RATS"; Journal of Neurotrauma, Vol. 12, No. 1, pages 1-21, (1995)					
	Li et al.; "REPAIR OF ADULT RAT CORTICOSPINAL TRACT BY TRANSPLANTS OF OLFACTORY ENSHEATHING CELLS"; Science, Vol. 277, pages 2000-2002, (1997)					
	Guest et al.; "THE ABILITY OF HUMAN SCHWANN CELL GRAFTS TO PROMOTE REGENERATION IN THE TRANSECTED NUDE RAT SPINAL CORD"; Experimental Neurology, Vol. 148, pages 502-522, (1997)					
	Cheng et al.; "SPINAL CORD REPAIR IN ADULT PARAPLEGIC RATS: PARTIAL RESTORATION OF HIND LIMB FUNCTION"; Science, Vol. 273, pages 510-513, (1996)					
	Schnell et al.; "AXONAL REGENERATION IN THE RAT SPINAL CORD PRODUCED BY AN ANTIBODY AGAINST MYELIN-ASSOCIATED NEURITE GROWTH INHIBITORS"; Nature, Vol. 343, pages 269-273, (1990)					
	Rakic; "RADIAL GLIAL CELLS: SCAFFOLDING FOR BRAIN CONSTRUCTION"; Neuron-Glia Interactions, pages 746-762					
	Moon et al.; "ROBUST REGENERATION OF CNS AXONS THROUGH A TRACK DEPLETED OF CNS GLIA"; Experimental Neurology, Vol. 161, pages 49-66, (2000)					

Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce